

Application No. 09/724,571  
 Amendment dated November 3, 2003  
 Amendment under 37 CFR 1.116  
 Expedited Procedure Examining Group

PATENT

**Amendments to the Specification:**

*Please delete the CROSS REFERENCE TO RELATED APPLICATIONS section and replace it with the following replacement section.*

*This application claims the benefit of U.S. Provisional Application Numbers 60/119,571 filed 2/10/1999, now abandoned, and 60/139,172 filed 6/15/99, now abandoned, both of which are hereby incorporated herein by reference in their entirety.*

*This Application is a continuation of U.S. Application No. 09/501,708, filed February 10, 2000, which is a continuation-in-part of U.S. Application No. 09/471,669, filed December 24, 1999, which is an application claiming the benefit under 35 USC 119(e) of U.S. Application Nos. 60/139,172, filed June 15, 1999, 60/119,571, filed February 10, 1999, and U.S. Application No. 60/114,408, filed December 31, 1998. This application is also a continuation of U.S. Application No. 09/501,708, filed February 10, 2000, which is an application claiming the benefit under 35 USC 119(e) of U.S. Application Nos. 60/139,172, filed June 15, 1999 and 60/119,571, filed February 10, 1999, all of which are incorporated herein by reference for all purposes.*

*Please replace the paragraph beginning on page 8, line 14 with the following amended paragraph:*

FIG. 5 shows the full length amino acid sequence of -secretase 1-501 (SEQ ID NO: 2), including the ORF which encodes it (SEQ ID NO: 1), with certain features indicated, such as "active-D" sites indicating the aspartic acid active catalytic sites, a transmembrane region commencing at position 453, as well as leader ("Signal") sequence (residues 1-21; SEQ ID NO: 46) and the putative pro region (residues 22-45; SEQ ID NO: 47) corresponding to the active enzyme portion 501 (SEQ ID NO: 43)(nt 135-1503) is at

Please scan.

Thank you.

JW

**Amendments to the Specification:**

***Please replace the paragraph beginning on page 8, line 14, with the following amended paragraph:***

FIG. 5 shows the full length amino acid sequence of ~~secretase~~  $\beta$ -secretase 1-501 (SEQ ID NO: 2), including the ORF which encodes it (SEQ ID NO: 1). ~~(SEQ ID NO: 1), with certain~~ Certain features indicated, such as "active-D" sites indicating the aspartic acid active catalytic sites, a transmembrane region commencing at position <sup>455</sup>~~453~~, as well as leader ("Signal") sequence (residues 1-21; SEQ ID NO: 46) and the putative pro region (residues 22-45; SEQ ID NO: 47). ~~(residues 22-45; SEQ ID NO: 47) and where the~~ The polynucleotide region corresponding to the active enzyme portion corresponding to amino acids 46-501 (SEQ ID NO: 43)(nt 135-1503) is shown as ~~SEQ ID NO: 44~~ SEQ ID NO: 42 and contains an internal peptide region (SEQ ID NO: 56) and a transmembrane region (SEQ ID NO: 62).

Please scan.

Thank you.

MF